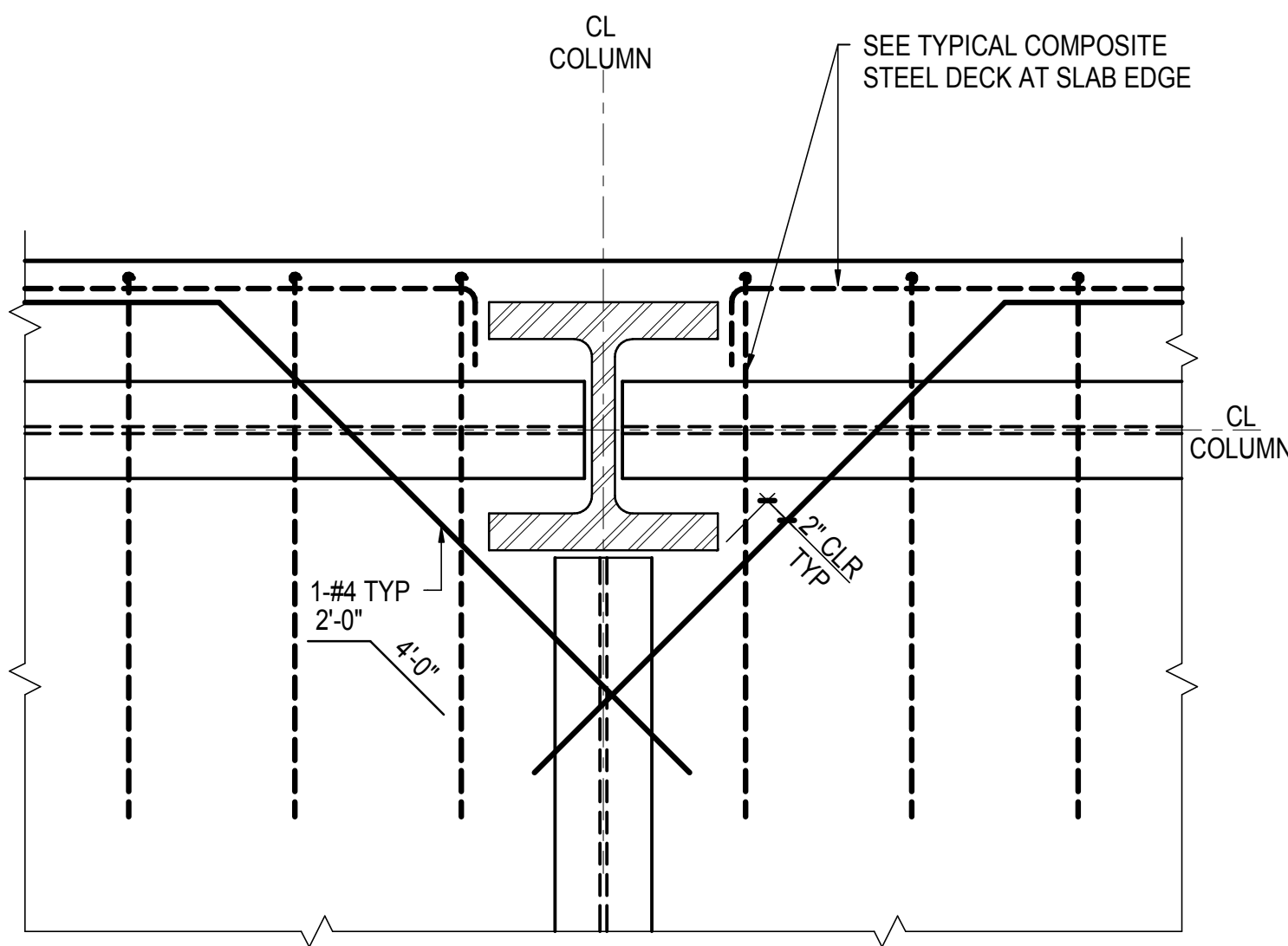


- NOTES:
1. SLAB REINFORCEMENT SHOWN TO BE PLACED IMMEDIATELY BELOW THE TYPICAL SLAB TOP BAR REINFORCEMENT
 2. SEE TYPICAL DECK SUPPORT AT COLUMN DETAIL

1 TYPICAL SLAB REINFORCEMENT AT EXTERIOR COLUMN SLAB EDGE EXTENDS 2" OR MORE BEYOND FACE OF COLUMN

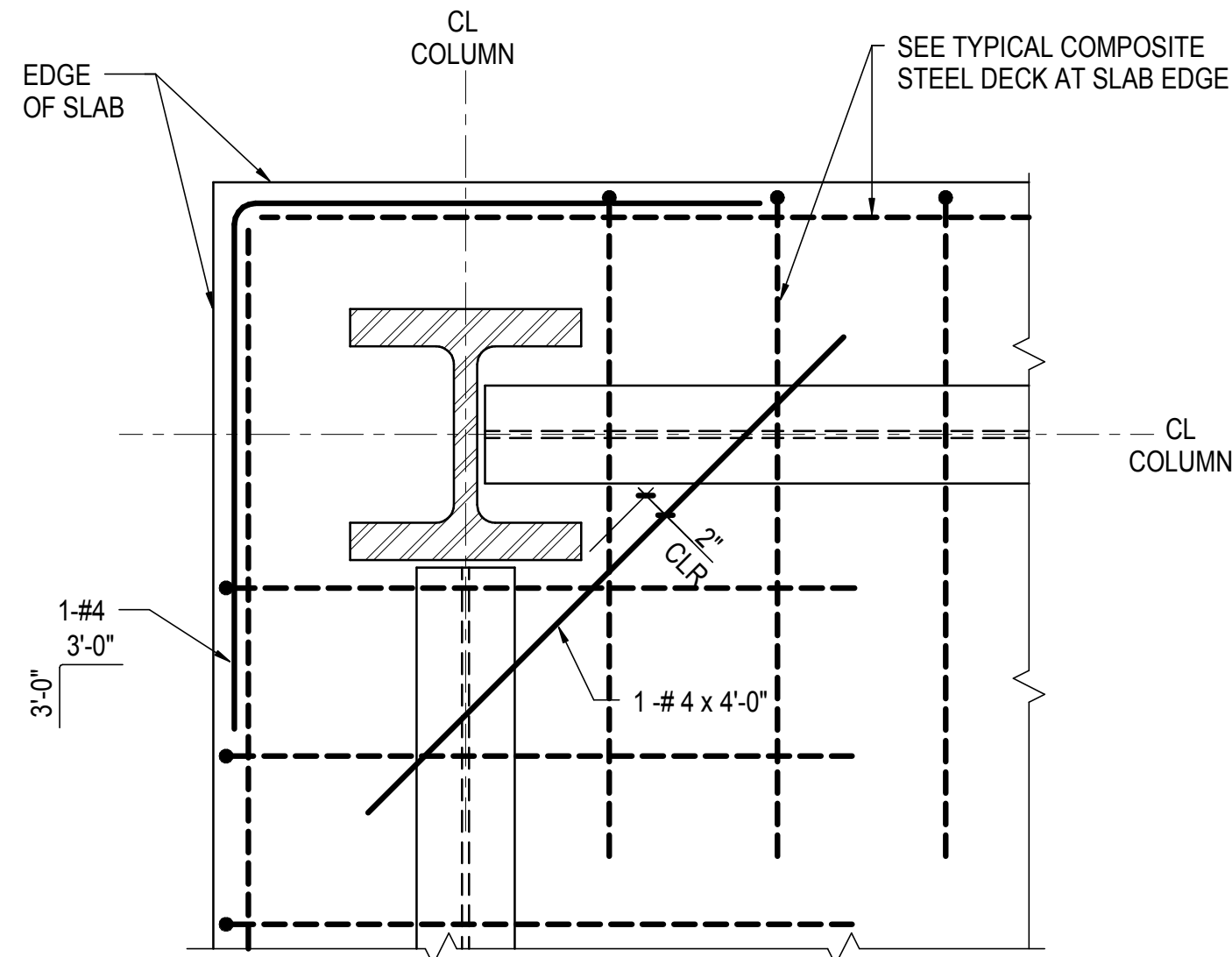
NOT TO SCALE



- NOTES:
1. SLAB REINFORCEMENT SHOWN TO BE PLACED IMMEDIATELY BELOW THE TYPICAL SLAB TOP BAR REINFORCEMENT
 2. SEE TYPICAL DECK SUPPORT AT COLUMN DETAIL

2 TYPICAL SLAB REINFORCEMENT AT EDGE COLUMN SLAB EDGE EXTENDS LESS THAN 2" BEYOND FACE OF COLUMN

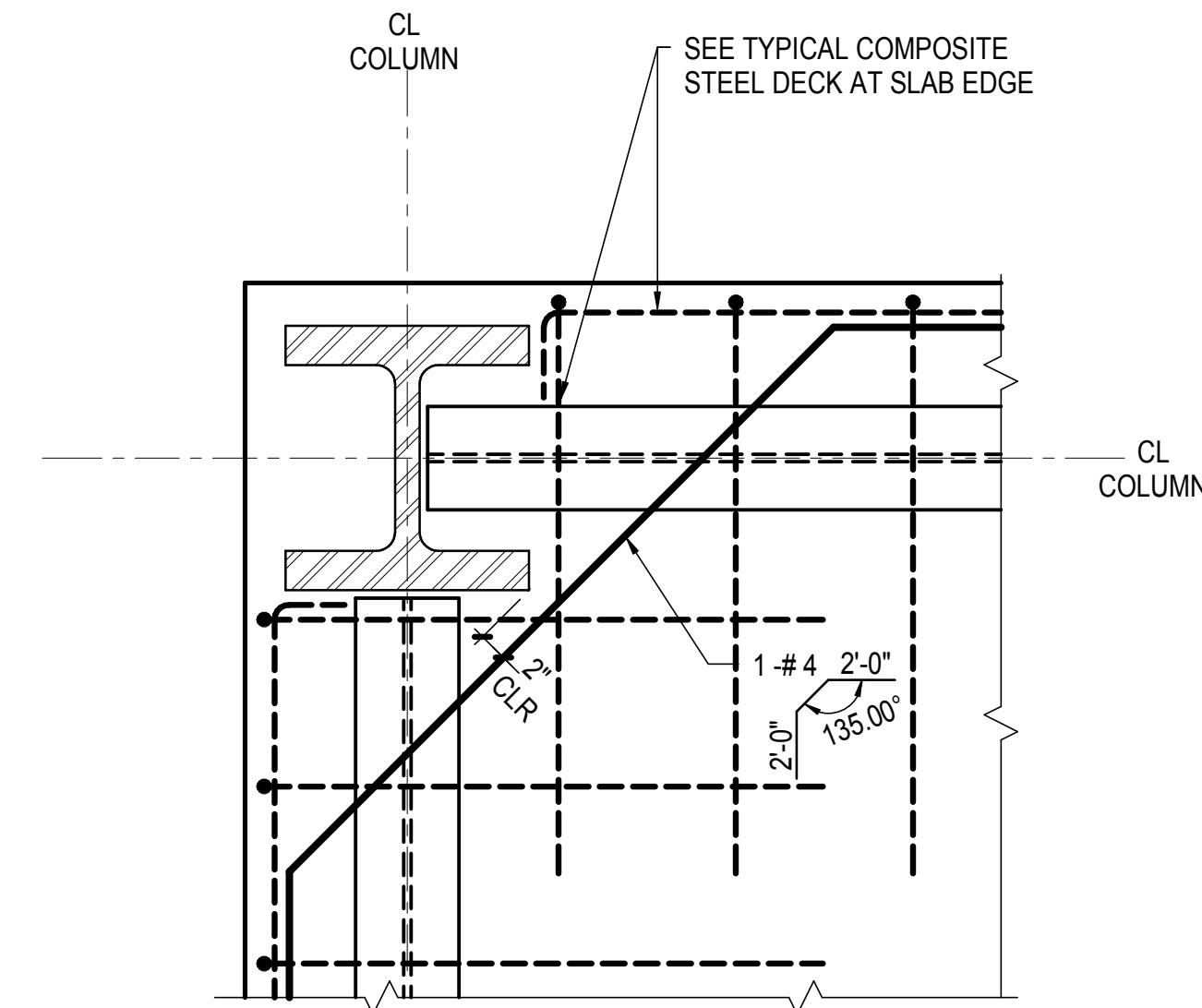
NOT TO SCALE



- NOTES:
1. SLAB REINFORCEMENT SHOWN TO BE PLACED IMMEDIATELY BELOW THE TYPICAL SLAB TOP BAR REINFORCEMENT
 2. SEE TYPICAL DECK SUPPORT AT COLUMN DETAIL

3 TYPICAL SLAB REINFORCEMENT AT CORNER COLUMN SLAB EDGE EXTENDS 2" OR MORE BEYOND FACE OF COLUMN

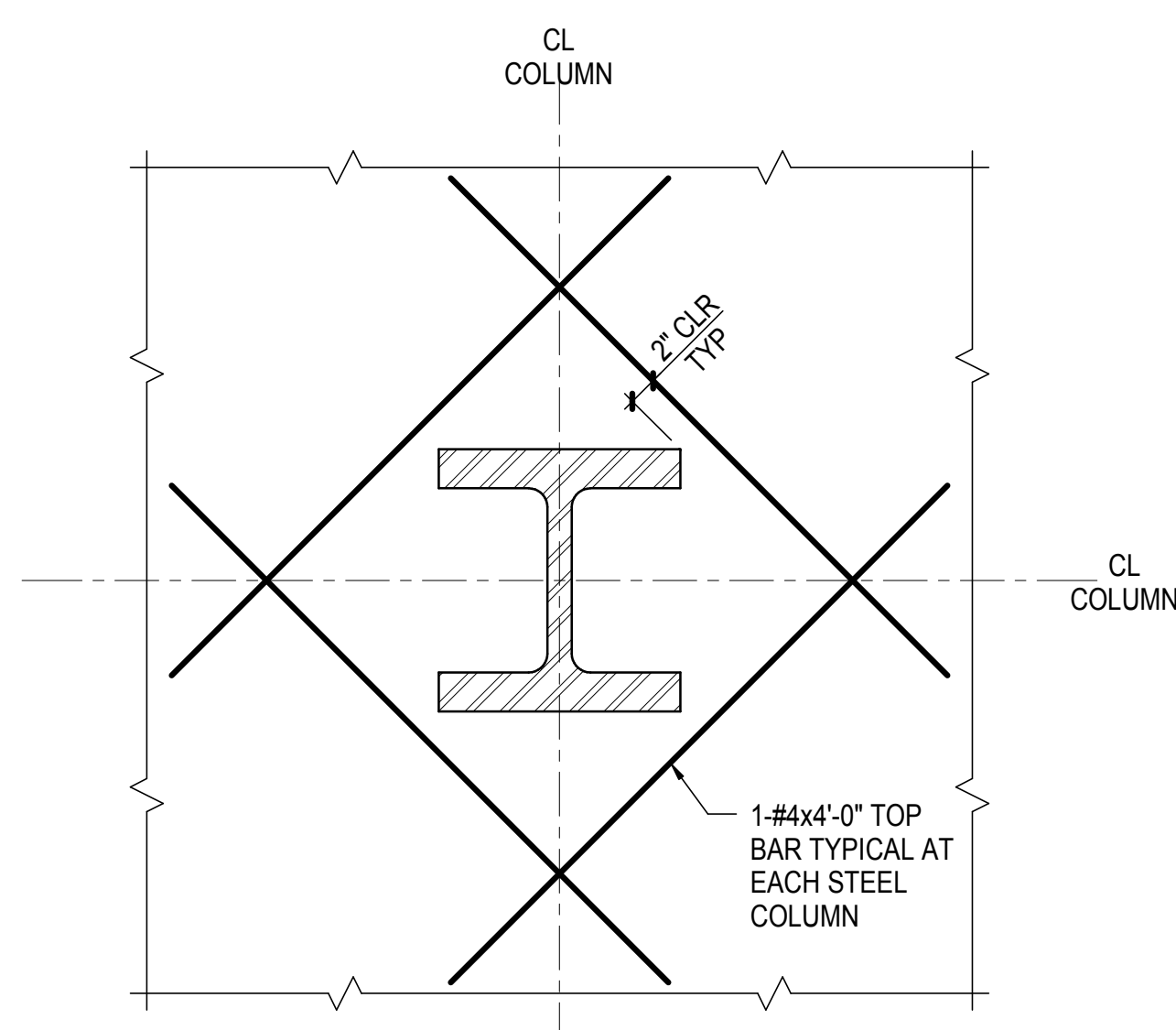
NOT TO SCALE



- NOTES:
1. SLAB REINFORCEMENT SHOWN TO BE PLACED IMMEDIATELY BELOW THE TYPICAL SLAB TOP BAR REINFORCEMENT
 2. SEE TYPICAL DECK SUPPORT AT COLUMN DETAIL

4 TYPICAL SLAB REINFORCEMENT AT CORNER COLUMN SLAB EDGE EXTENDS LESS THAN 2" BEYOND FACE OF COLUMN

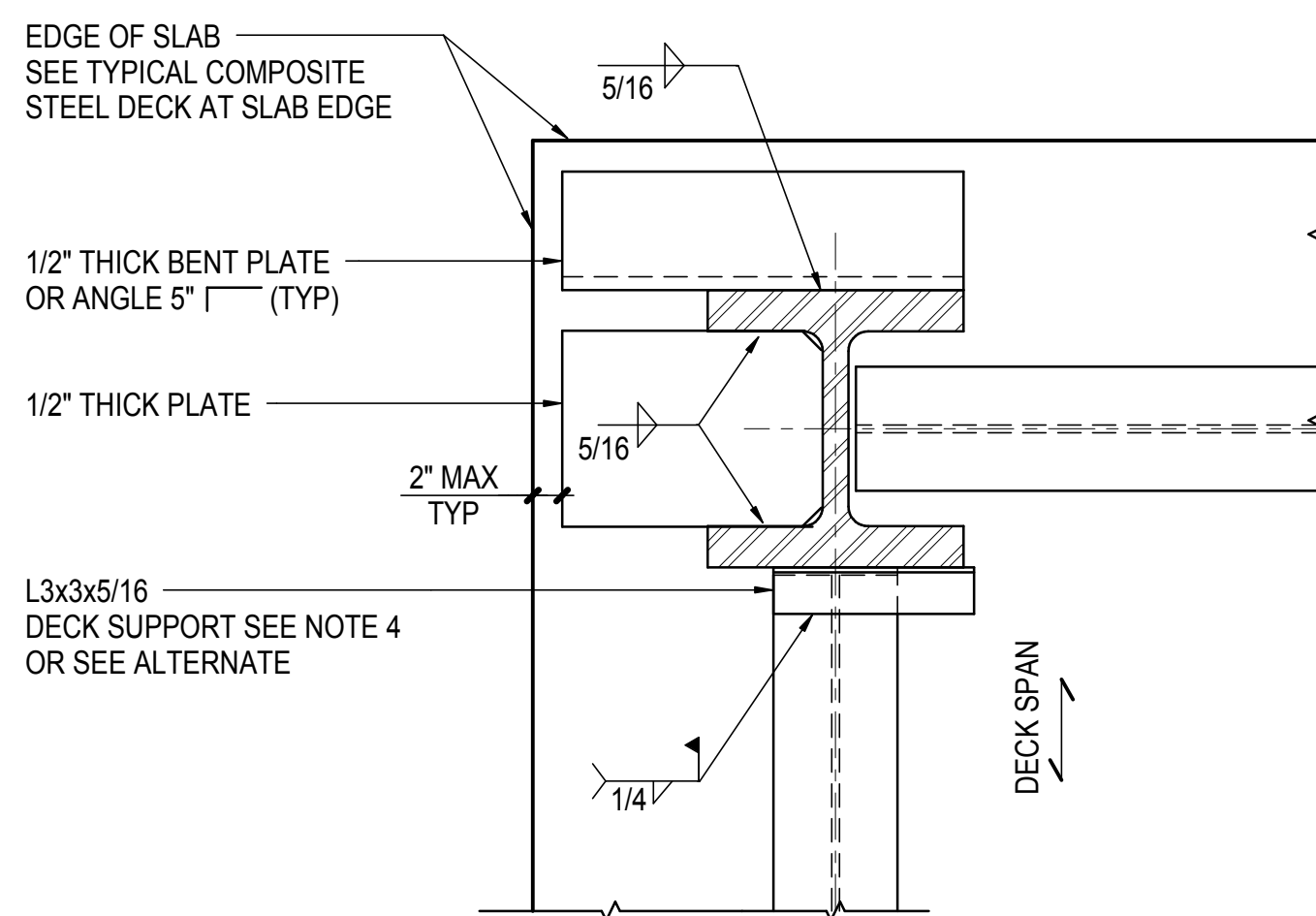
NOT TO SCALE



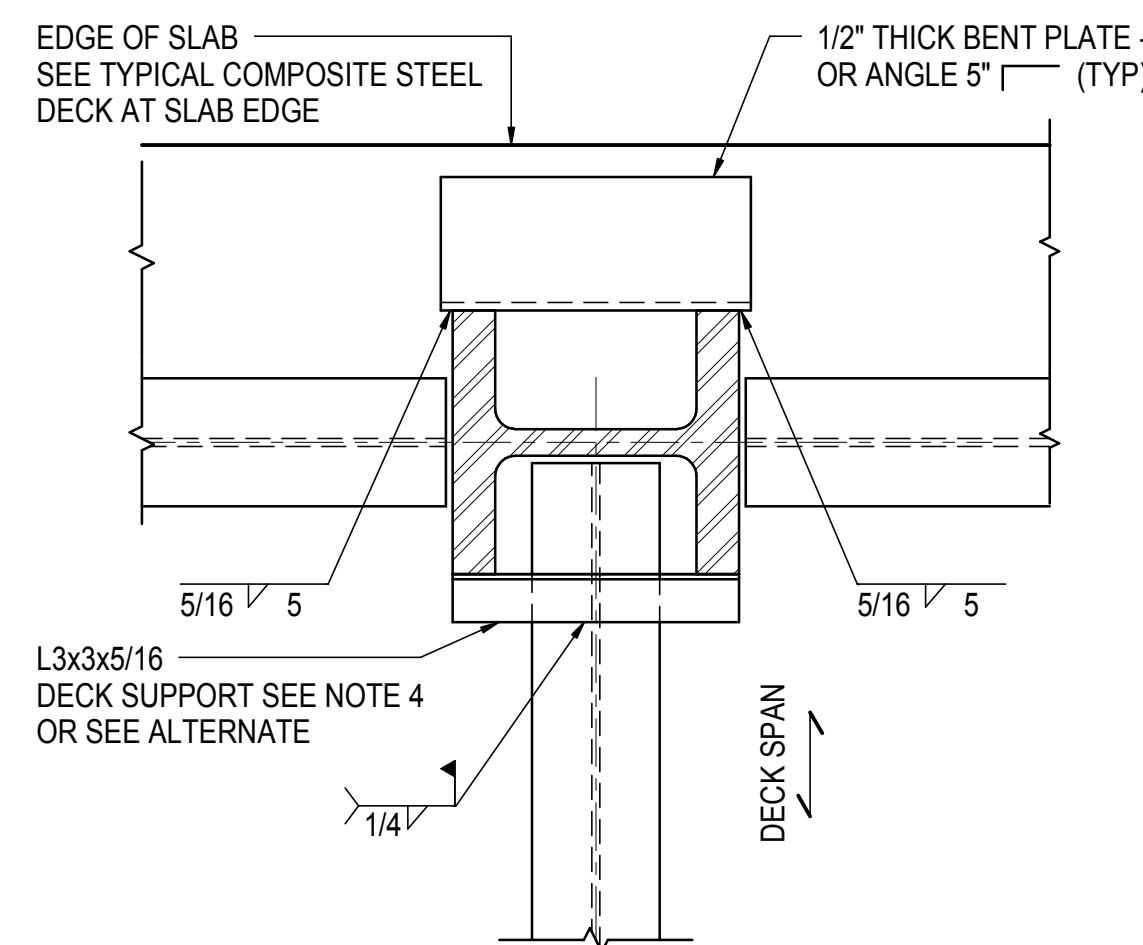
- NOTES:
1. SLAB REINFORCEMENT SHOWN TO BE PLACED IMMEDIATELY BELOW THE TYPICAL SLAB TOP BAR REINFORCEMENT
 2. SEE TYPICAL DECK SUPPORT AT COLUMN DETAIL

5 TYPICAL SLAB REINFORCEMENT AT INTERIOR COLUMN

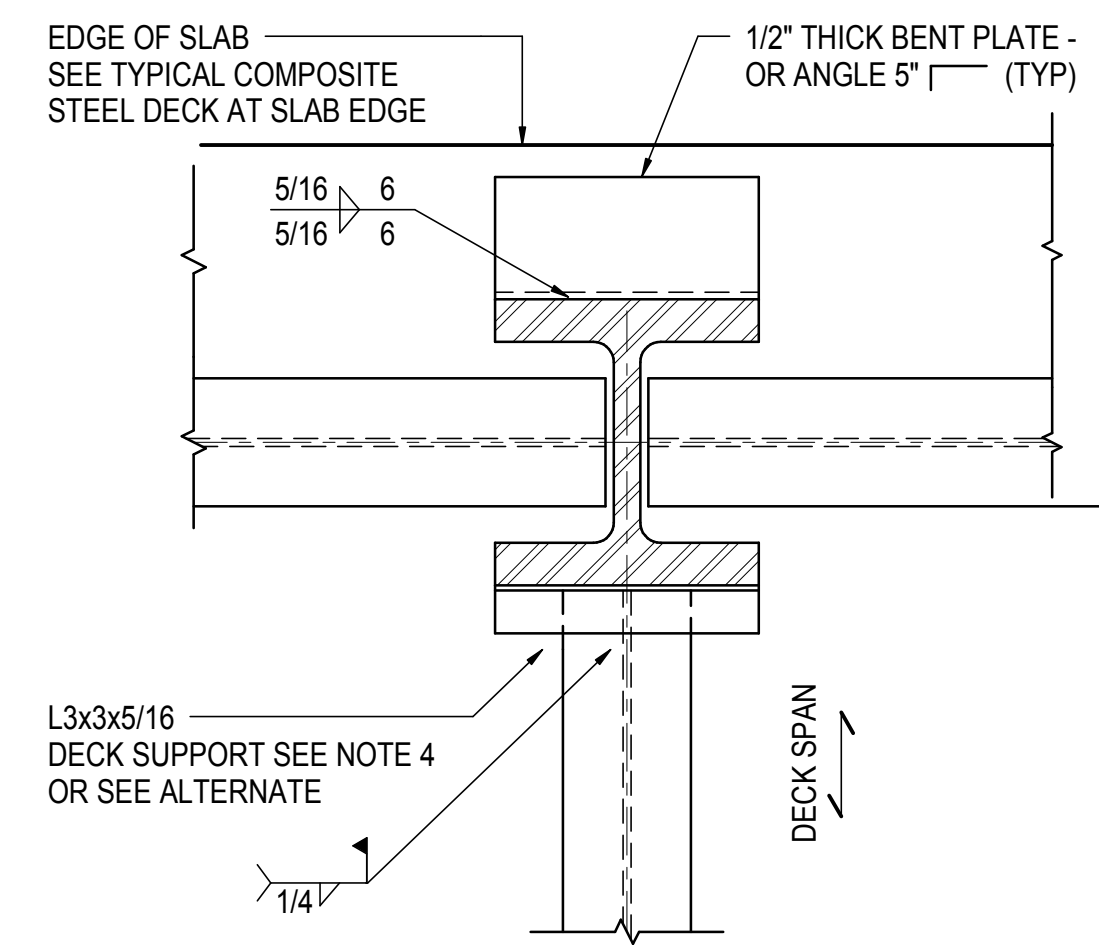
NOT TO SCALE



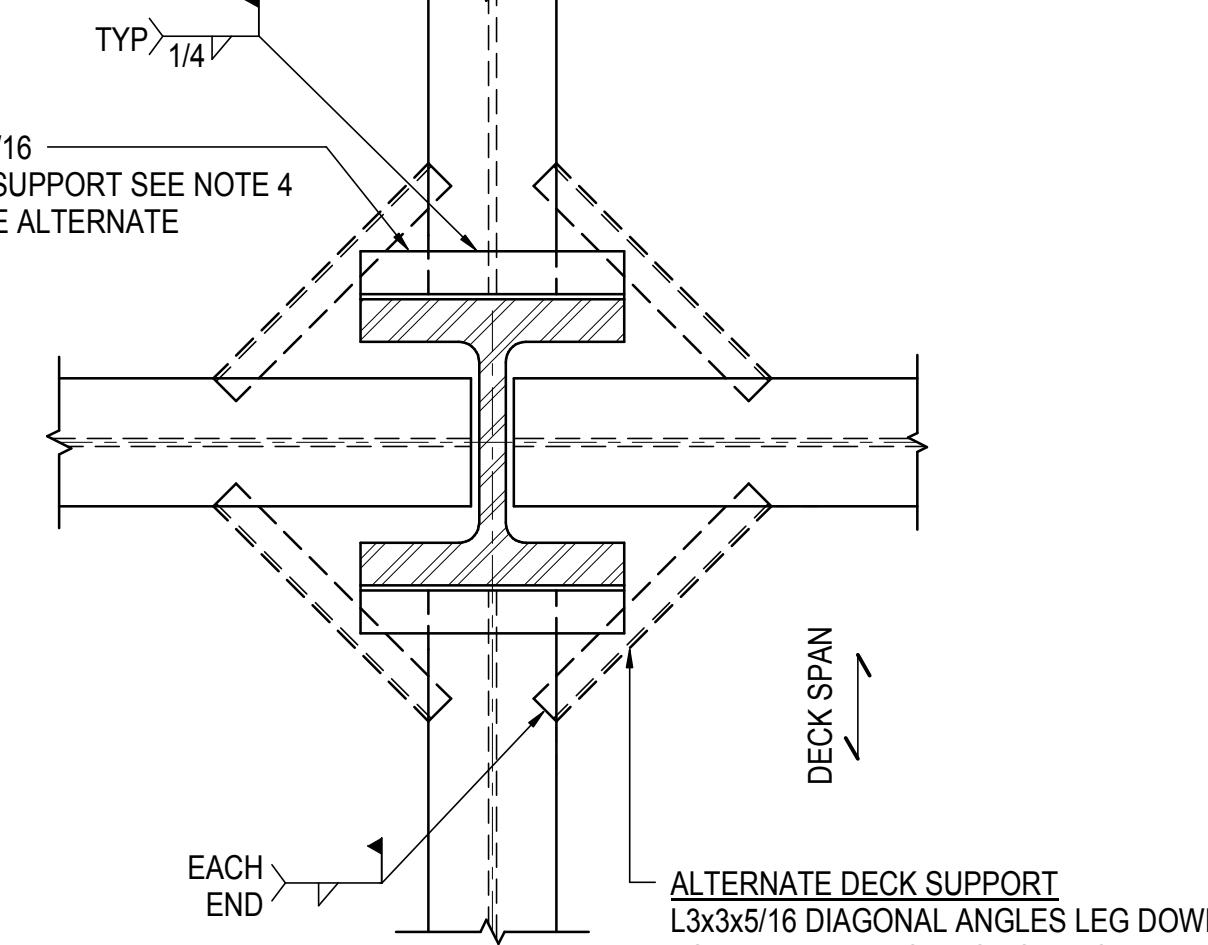
DETAIL AT CORNER COLUMN



DETAIL AT EDGE COLUMN



DETAIL AT EDGE COLUMN

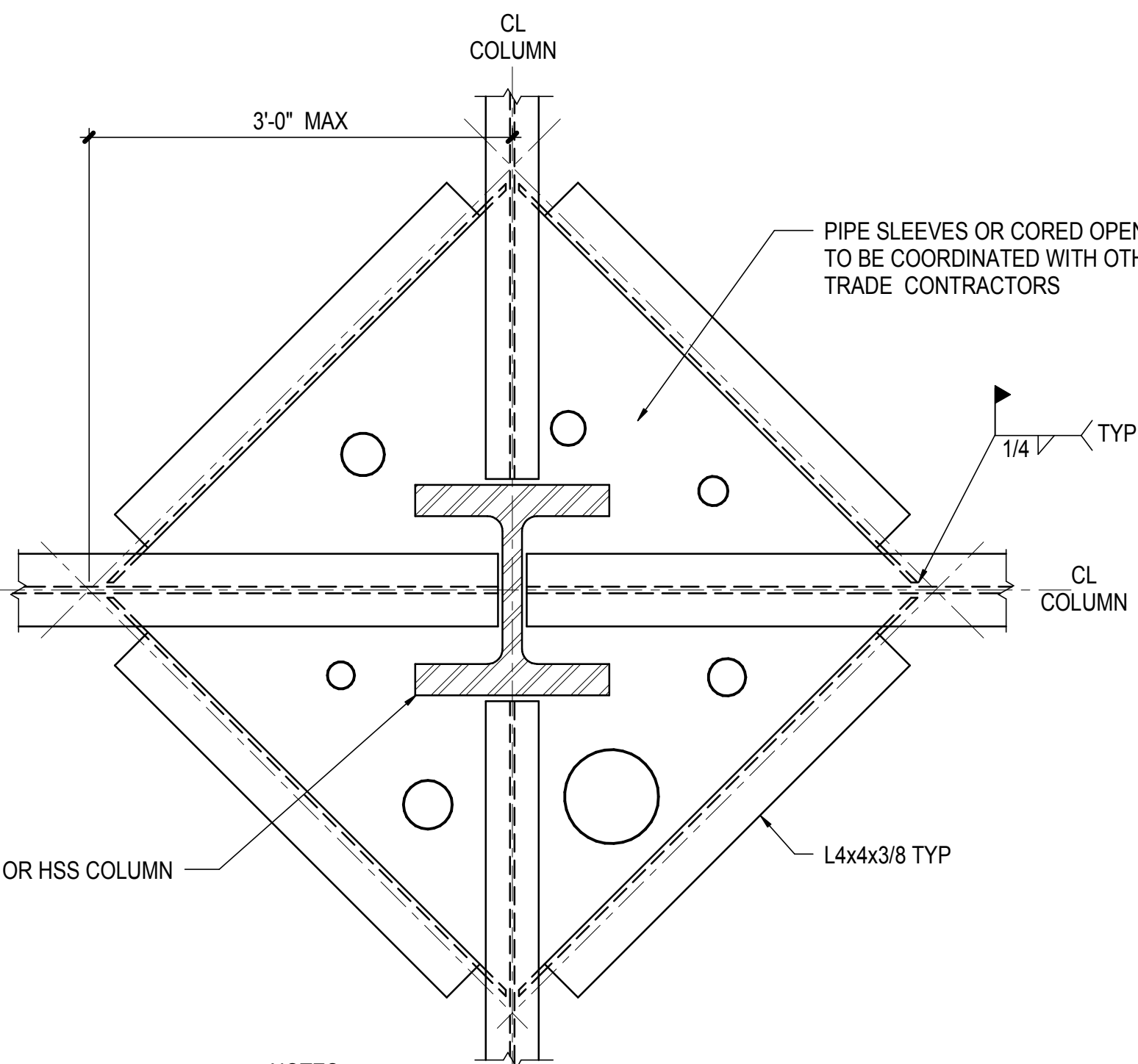


DETAIL AT INTERIOR COLUMNS

- NOTES:
1. SEE ADDITIONAL DETAILS AT EXTERIOR WALL SUPPORTS
 2. ATTACH DECK (ENDS AND SIDE LAPS) TO SUPPORT ANGLES OR PLATES TYPICAL
 3. SEE TYPICAL SLAB REINFORCEMENT AT COLUMN DETAILS
 4. CONTRACTOR SHALL COORDINATE AND PROVIDE ANGLES AS REQUIRED FOR SUPPORT OF DECK NOTCHED AROUND COLUMN TYPICAL AT ALL FLOORS AT ALL COLUMNS SIZES SHOWN ARE MINIMUM CONTRACTOR TO VERIFY FOR ACTUAL CONDITIONS

6 TYPICAL DECK SUPPORT AT COLUMN

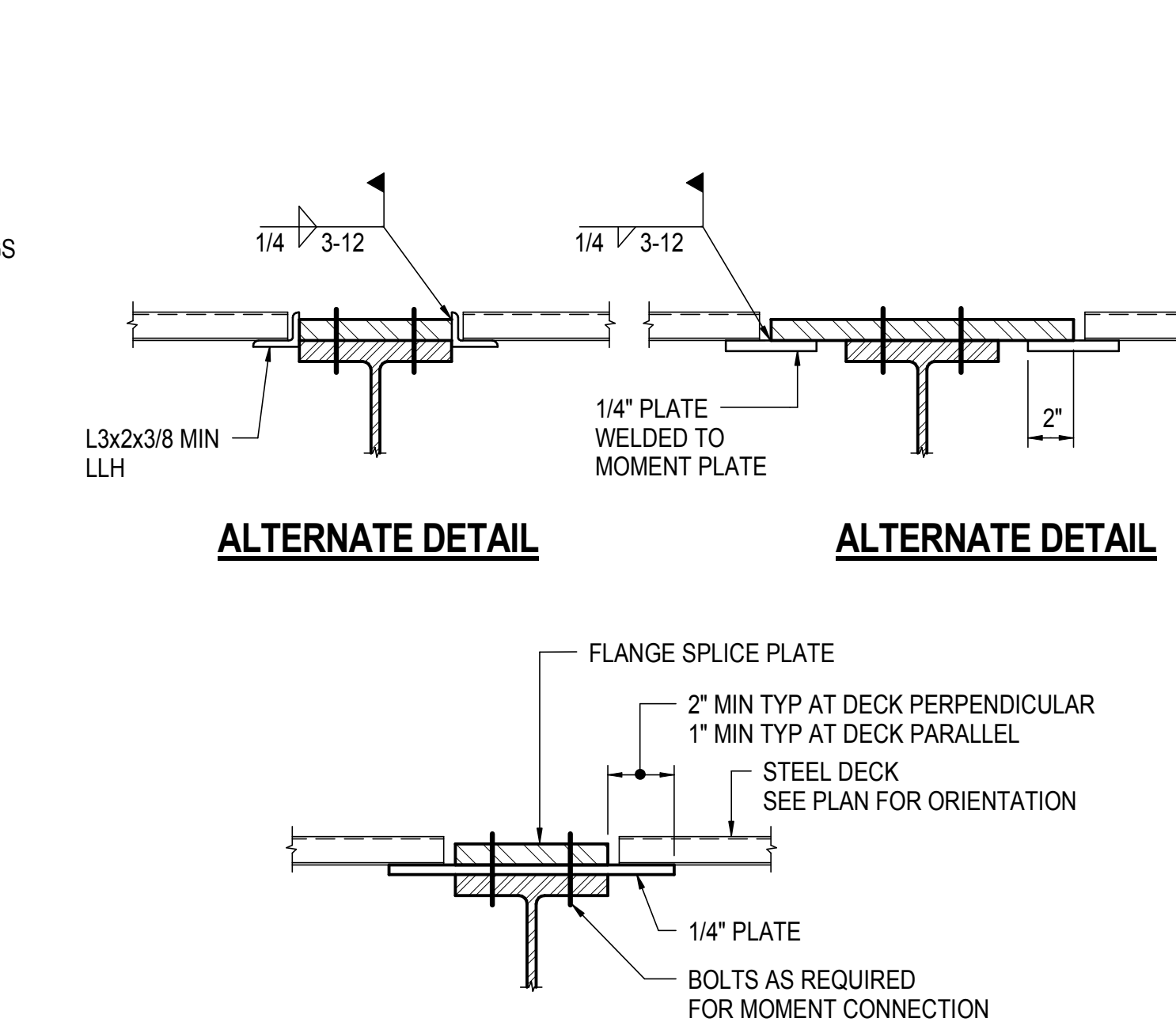
NOT TO SCALE



- NOTES:
1. DETAIL TO BE COORDINATED WITH MEP
 2. SEE NOTES FOR TYPICAL DECK SUPPORT AT COLUMN DETAILS

7 TYPICAL DECK SUPPORT AT WET COLUMN

NOT TO SCALE



ALTERNATE DETAIL

ALTERNATE DETAIL

8 TYPICAL DECK SUPPORT AT MOMENT CONNECTION

NOT TO SCALE

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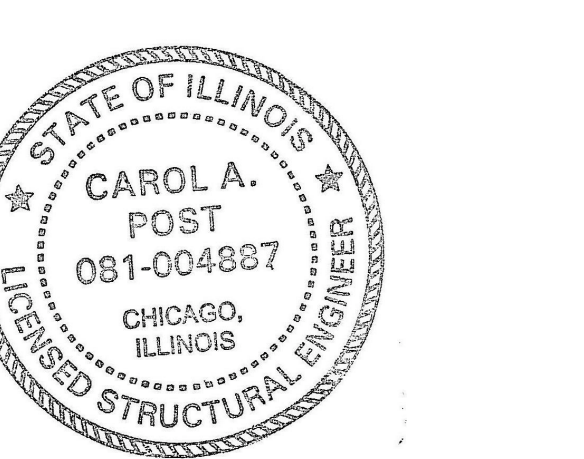
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SEALS AND SIGNATURES



ISSUED FOR CONSTRUCTION 07/03/12

REV. NO. DESCRIPTION BY APVD DATE

Argonne
NATIONAL LABORATORY

FMS
Facilities Management Services

PROJECT TITLE ADVANCED PROTEIN
CRYSTALLIZATION FACILITY,
ARGONNE NATIONAL LABORATORY

PROJECT NO C10539.00

DRAWING TITLE

TYPICAL COMPOSITE
AND STEEL DECK
DETAILS

DESIGNED Designer	A/E CAD FILE S5.3.3	FACILITY NOIS
DRAWN Author	A/E DWG. NO. S5.3.3	
CHECKED Checker	CAD NO.	
PROJECT MANAGER	DWG STATE	
ANL - JESSE ADAMS DATE - 06/11/11	BND ORDER	
FACILITY DOCUMENT NUMBER J446-101-W-		REV. NO.

S5.3.3